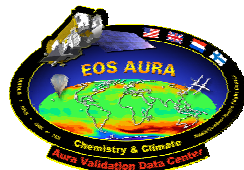
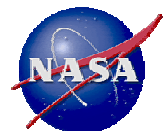


AVDC Report

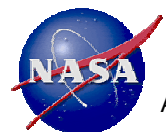
C. Retscher and B. R. Bojkov

NASA/GSFC, UMBC/GEST



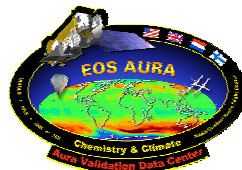
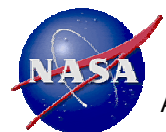
Overview

- Status
- Cal/Val support
- Future plans



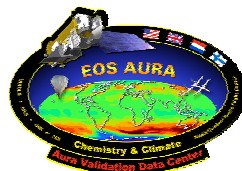
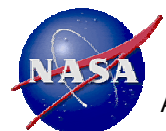
Status

- Routine operations on-going
- Currently 300+ registered users□
- 1.2×10^6 pages accessed
 - 50k+ login access in last 12 months (~140/day)
- 7TB downloads in last year (~20GB/day)
- Total correlative data volume:
 - 360+ GB
 - correlative satellite datasets: ~2TB



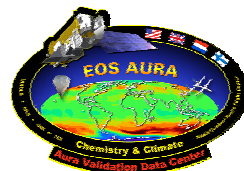
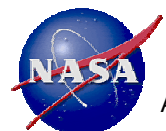
Status (2)

- Continue to mirror all Aura L2 data from DAACs
- Continue to host preliminary, experimental and complimentary satellite datasets:
 - Aura preliminary and test datasets
 - MLS v2 pre-release (Spring '07)
 - HIRDLS v2
 - OMI tropospheric ozone (Schoeberl)
 - L3 datasets (OMNO2)
 - AIRS, Scisat ACE
 - NOAA 16-18 SBUV v8 profiles
 - Envisat
- Maintain Aura related campaign archives
 - SAUNA (1&2), WAVES, TMF NO2 campaign, etc.
 - Mirror aircraft/large balloon missions



Cal/Val support

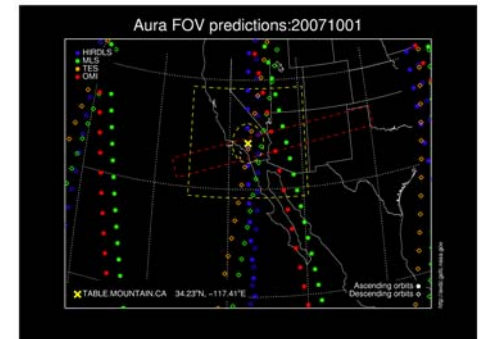
- L2 sub-setting:
 - All OMI products (as new data become available, soon ECS3):
 - O3: 520+ stations
 - Aerosol: 300+ stations (Aeronet + other)
 - NO2: 130+ sites
 - UV: 110+ sites
 - SO2: 50+ sites
 - etc.
 - MLS, HIRDLS and TES:
 - O3, T, H2O
 - NDACC sites and key profiling stations
- Campaign and regional sub-setting on request
- Contact AVDC for information/additional requests



Cal/Val support (2)

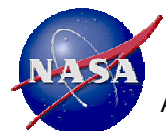
- Aura FOVs
 - Predictions for stations and campaigns
 - 16-day forecasts updated daily

<http://avdc.gsfc.nasa.gov/Data/FOV/index.html>



- Actual coincidence and global collocations

http://avdc.gsfc.nasa.gov/Data/Search/avdc_overpass_search.php



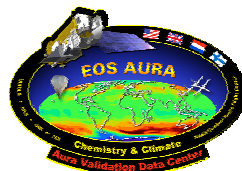
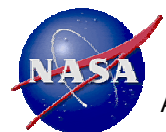
Cal/Val support (3)

- Continue direct PI support
 - Mainly in sub-setting and data conversion
- Tools and documentation on-line:

<http://avdc.gsfc.nasa.gov/Tools/index.html>

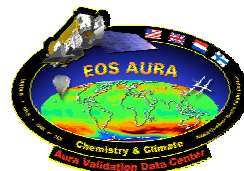
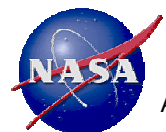
<http://avdc.gsfc.nasa.gov/Documentation/Metadata/index.html>

- HDF5 read/write in final testing for correlative data
 - Download H4 and/or H5 as per user request



Up-and-coming

- Focus shifted to long-term validation
 - Collect and update ground datasets
 - Data completeness
- Continue ESA/NDACC efforts
 - Share datasets and coordinate submissions
- Proactive on AVDC side but need support from cal/val and instrument teams



- Thank you

